

Title (en)
Device for determining the oxygen demand

Title (de)
Apparatur zur Bestimmung des Sauerstoffbedarfs

Title (fr)
Appareil pour déterminer le besoin en oxygène

Publication
EP 0642011 B1 19980429 (DE)

Application
EP 93114006 A 19930902

Priority
• EP 93114006 A 19930902
• DE 4225118 A 19920730

Abstract (en)
[origin: DE4225118C1] Apparatus for determination of the oxygen demand for oxidative processes, especially for biochemical oxygen demand, in which dependent on the pressure in the closed system oxygen is able to be supplied to a sample (P) of the substits. under test, where an adsorbent for the resultant CO₂ is present, and in which a sample container (1) in which the oxidation proceeds and a device for pressure controlled release of oxygen, via an inlet, from a storage cylinder or generator, into the closed system, is present, and being novel in that, the sample container (1) for testing of solid samples possesses an inner container (2) and also feed line (6) and drain line (7) for wash water, and that the bottom of the sample container (1) serves as a collector chamber for the wash water, which flows as a film along the wall of the inner container (2) after percolating through the sample. USE/ADVANTAGE - Apparatus for wet determination of the BOD of a solid sample.

IPC 1-7
G01N 7/02

IPC 8 full level
G01N 33/18 (2006.01); **G01N 33/24** (2006.01)

CPC (source: EP)
G01N 33/1806 (2013.01); **G01N 33/24** (2013.01)

Cited by
CN110749720A; DE19618294A1; DE19618294C2

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DE 4225118 C1 19940105; EP 0642011 A1 19950308; EP 0642011 B1 19980429

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